CLAIMS OF THE INVENTION

1. A method for sending a language based message from a first object in a first process to a second object in a second process, said method comprising the steps of:

providing said language based message to a first proxy in said first process;

using said first proxy, encoding said language based message into an operating system based message;

transmitting said operating system based message to said second process;

decoding said operating system based message into a language based message;

providing said language based message to said second object.

2. The method of claim 1 further including the steps of:

said second object executing said language based message and generating a language based result;

encoding said language based result into an operating system based result;

transmitting said operating system based result to said first process;

decoding said operating system based result into a language based result;

providing said language based result to said first object.

3. The method of claim 1 wherein said language based message comprises a method and an argument.

4. The method of claim 3 wherein said second object executes said method on said argument when executing said message.

5. The method of claim 2 further including the steps of:

said second object generating a language based query;

encoding said language based query into an operating system based query;

transmitting said operating system based query to said first process;

decoding said operating system based query into a language based query;

providing said language based query to said first object.

6. The method of claim 5 further including the steps of:

said first object generating a language based reply;

encoding said language based reply into an operating system based reply;

transmitting said operating system based reply to said second process;

decoding said operating system based reply into a language based reply;

providing said language based reply to said second object.

7. The method of claim 6 wherein said first process and said second process are located on first and second computers respectively.

8. The method of claim 1 wherein said language based message comprises an objective C message.

9. The method of claim 1 wherein said operating system based message comprises a Mach message.

10. The method of claim 1 wherein said first proxy represents said second object.

11. A method for sending a language based message from a first object in a first process to a second object in a second process, said method comprising the steps of:

providing said language based message to a first proxy in said first process;

using said first proxy, encoding said language based message into an operating system based message;

transmitting said operating system based message to said second process;

decoding said operating system based message into a language based message;

providing said language based message to said second object;

said second object generating a language based query;

creating a second proxy in said second process;

providing said language based query to said second proxy;

using said second proxy, encoding said language based query into an operating system based query;

transmitting said operating system based query to said first process;

decoding said operating system based query into a language based query;

providing said language based query to said first object;

said first object generating a language based reply;

encoding said language based reply into an operating system based reply;

transmitting said operating system based reply to said second process;

decoding said operating system based reply into a language based reply;

providing said language based reply to said second object;

said second object executing said language based message and generating a language based result;

encoding said language based result into an operating system based result;

transmitting said operating system based result to said first process;

decoding said operating system based result into a language based result;

providing said language based result to said first object.

12. The method of claim 11 wherein said language based message comprises a method and an argument.

13. The method of claim 12 wherein said second object executes said method on said argument when executing said message.

14. The method of claim 11 wherein said first process and said second process are located on first and second computers respectively.

15. The method of claim 11 wherein said language based message comprises an objective C message.

16. The method of claim 11 wherein said operating system based message comprises a Mach message.

17. The method of claim 11 wherein said first proxy represents said second object.

18. The method of claim 11 wherein said second proxy represents said first object.

add F4